

Rat IGF-1 (Insulin-Like Growth Factor 1) CLIA Kit | IGF-1 clia kit

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CATALOG #
AAA171012

REACTIVITY
Rat

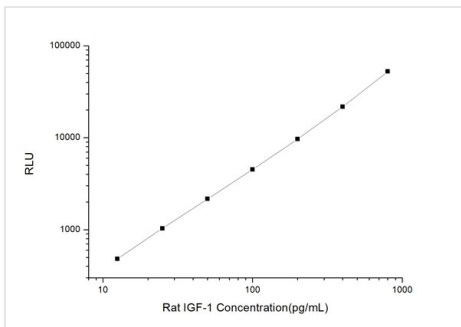
PRODUCT SYNONYMS

IGF-1 (Insulin-Like Growth Factor 1); Rat IGF-1 (Insulin-Like Growth Factor 1) CLIA Kit; IGF1; IGFI; IGF-I; IGF1A; IGF-IA; IGF-IB; MGF; Somatomedin C; IGF-1 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes natural and recombinant IGF-1. No significant cross-reactivity or interference between IGF-1 and analogues was observed.
Sequence Length	154
Assay Type	Sandwich
Detection Range	12.5-800pg/mL
Sensitivity	Min: 7.5pg/mL; Max: 800pg/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGF-1 clia kit

Intended Uses: This CLIA kit applies to the in vitro quantitative determination of IGF-1 concentrations in serum, plasma and other biological fluids.

Principle of the Assay: This kit uses Sandwich-CLIA as the method. The micro CLIA plate provided in this kit has been pre-coated with an antibody specific to IGF-1. Standards or samples are added to the appropriate micro CLIA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for IGF-1 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain IGF-1, biotinylated detection antibody and Avidin-HRP conjugate will appear fluorescence. The Relative light unit (RLU) value is measured spectrophotometrically by the Chemiluminescence immunoassay analyzer. The RLU value is positively associated with the concentration of IGF-1. You can calculate the concentration of IGF-1 in the samples by comparing the RLU value of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	118150782
NCBI GeneID	281239
NCBI Accession #	NP_001071296.1
NCBI GenBank Nucleotide #	NM_001077828.1
Molecular Weight	17,066 Da
NCBI Official Full Name	insulin-like growth factor I preproprotein
NCBI Official Symbol	IGF1
NCBI Official Synonym Symbols	IGF-1; IGF-I
NCBI Protein Information	insulin-like growth factor I
UniProt Protein Name	Insulin-like growth factor I
UniProt Gene Name	IGF1
UniProt Synonym Gene Names	IGF-I
UniProt Entry Name	IGF1_BOVIN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rat-clia-kits/igf-1-insulin-like-growth-factor-1/171012>